Basis for the Use of Excess Tree Canopy for Mitigation

Conversion of Tree canopy into diameter inches:

- Each tree has shade value (UDC Appendix E).

- Divide the square feet of excess canopy by the shade value of the dominant tree(s) to obtain the number of trees.

- Use the relationship, 1ft:1in between the radius of the canopy to the trunk diameter to calculate the number of diameter inches per tree.

- Multiply the number of trees times the number of diameter inches per tree to obtain diameter inches value.

Conversion of Tree canopy into diameter inches (number of diameter inches per tree):

- 1,200 sq ft shade = 19.6 diameter inches

- 875 sq ft = 16.7 inches

- 575 sq ft (mixture of Oaks and Ash Junipers) = 13.5 inches

- 275 sq ft = 9.4 inches